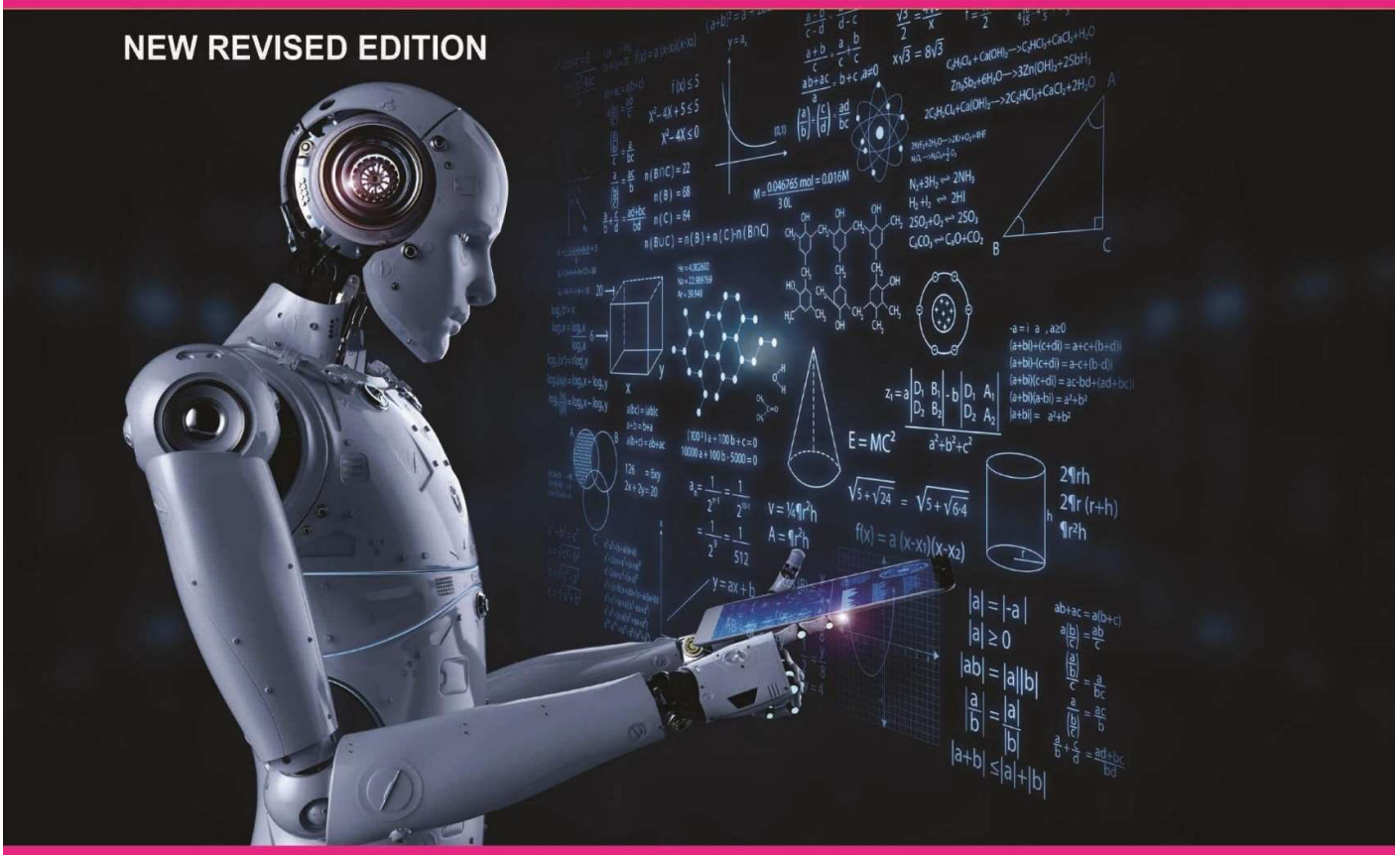
As per the Latest Syllabus of Anna University, Chennai (Regulation 2017)

ARTIFICIAL INTELLIGENCE

For B.E. VI SEMESTER CSE BRANCH

NEW REVISED EDITION



With Latest Solved Anna University Question Papers

ARS PUBLICATIONS
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PREFACE

This book “Artificial Intelligence” is to understand the various characteristics of Intelligent agents and their search strategies. It contributes an impression towards representing knowledge in solving AI problems. It provides a preliminary study to design and implement the different ways of software agents with Prolog.

Unit I: Introduction towards future of Artificial Intelligence and characteristics of Intelligent agents. Outline about the typical AI problem and its solving approach.

Unit II: Outline towards search strategies through Uninformed, Informed and Heuristics along with optimization problems. Constraint satisfaction problem was demonstrated with straight forward and backtracking approach. Awareness towards the game playing based designing strategies.

Unit III: Transient awareness on knowledge representation and First Order Predict Logic. Brief knowledge over Unification, Forward and Backward chaining, Ontological Engineering and Events with Prolog programming.

Unit IV: Contributes a knowledge on architecture for Intelligent agents and its communication. Real world based Multiagent systems have knowledge base of Negotiation, Bargaining and Argumentation.

Unit V: Provides a study over various AI application and Information Retrieval. It provides introduction towards Natural Language Processing, Speech Recognition, Perception and Planning.

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